



# **The Acquisition Process and the "Road To CEC OPEVAL"**

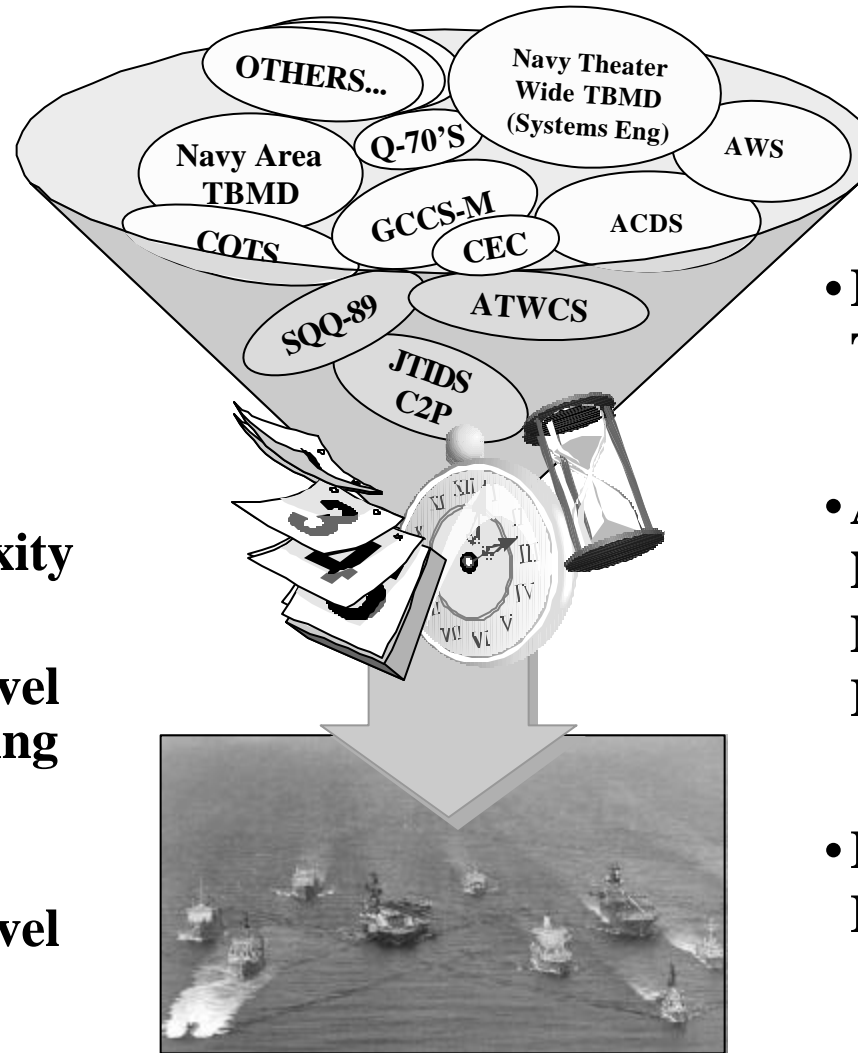
**30 May 2001**

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# WHAT BROUGHT US HERE?

- Legacy Systems
- Overaggressive Schedules
- Size and Complexity
- Lack of Force Level System Engineering Process
- Lack of Force Level Performance Validation



- Inadequate Shore Based Testing
- Acquisition Paradigm Not Synchronized With Move Toward Integrated Battlegroups
- Inadequate Interoperability Design

**NEEDED TO PAUSE AND RETHINK...THIS IS ROCKET SCIENCE!**





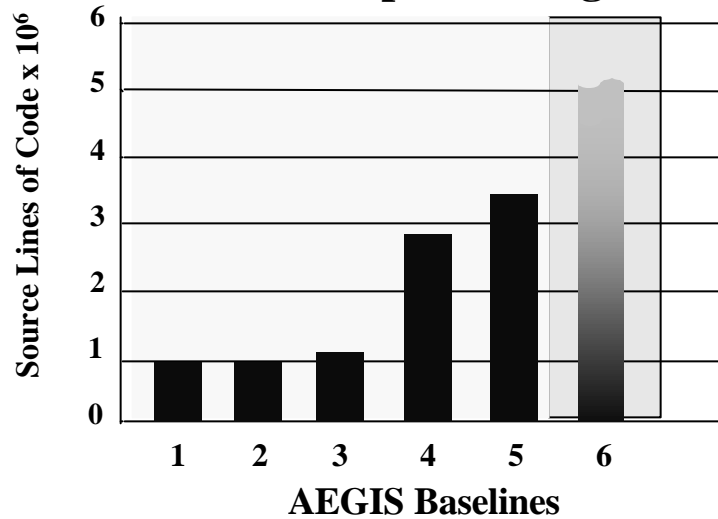
# INCREASED COMPLEXITY

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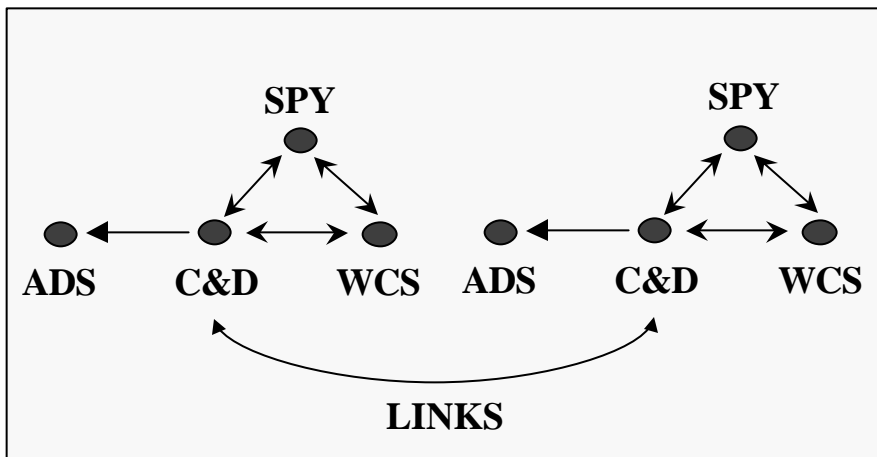
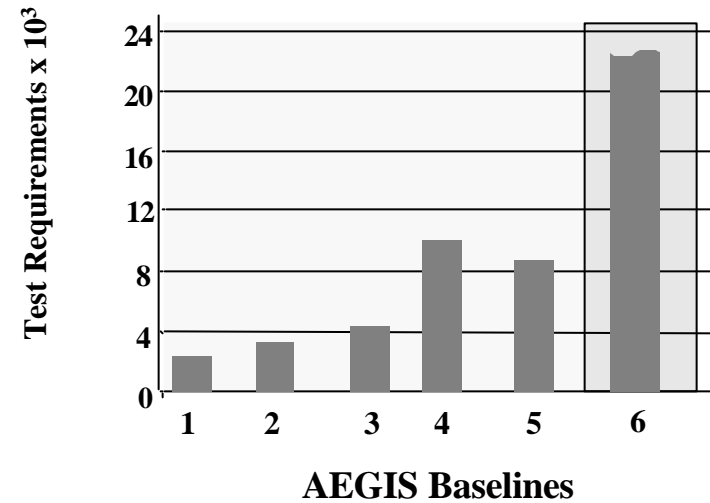
# INCREASED SYSTEMS ENGINEERING



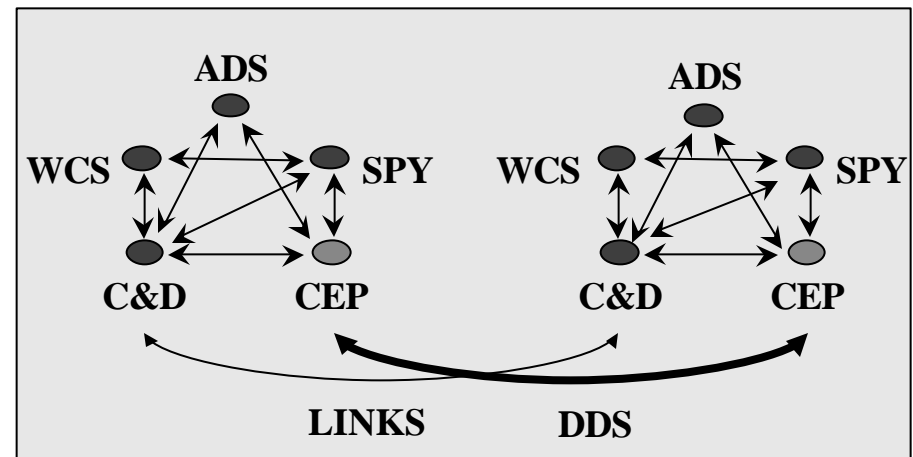
### Size of Computer Programs



### Element Test Events



THEN



NOW

# Analysis - Framework -

The CTIs address performance in four areas:

–Detect-to-Engage:

- CTI 1 – Depth of Fire
- CTI 2 – Cooperative Engagement
- CTI 3 – Identification
- CTI 4 – Composite Tracking

–Data Distribution

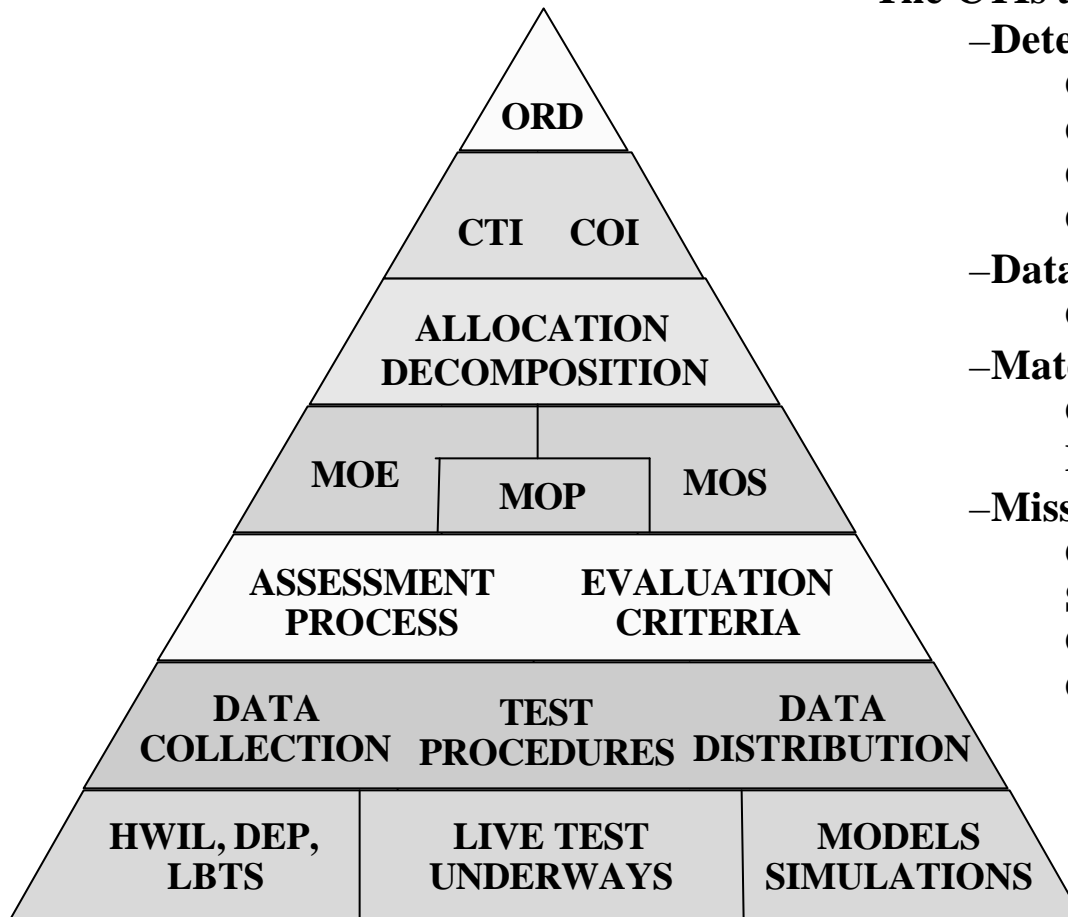
- CTI 5 – Data Distribution

–Material Readiness

- CTI 6 – Reliability, Availability, and Maintainability

–Mission Information Management

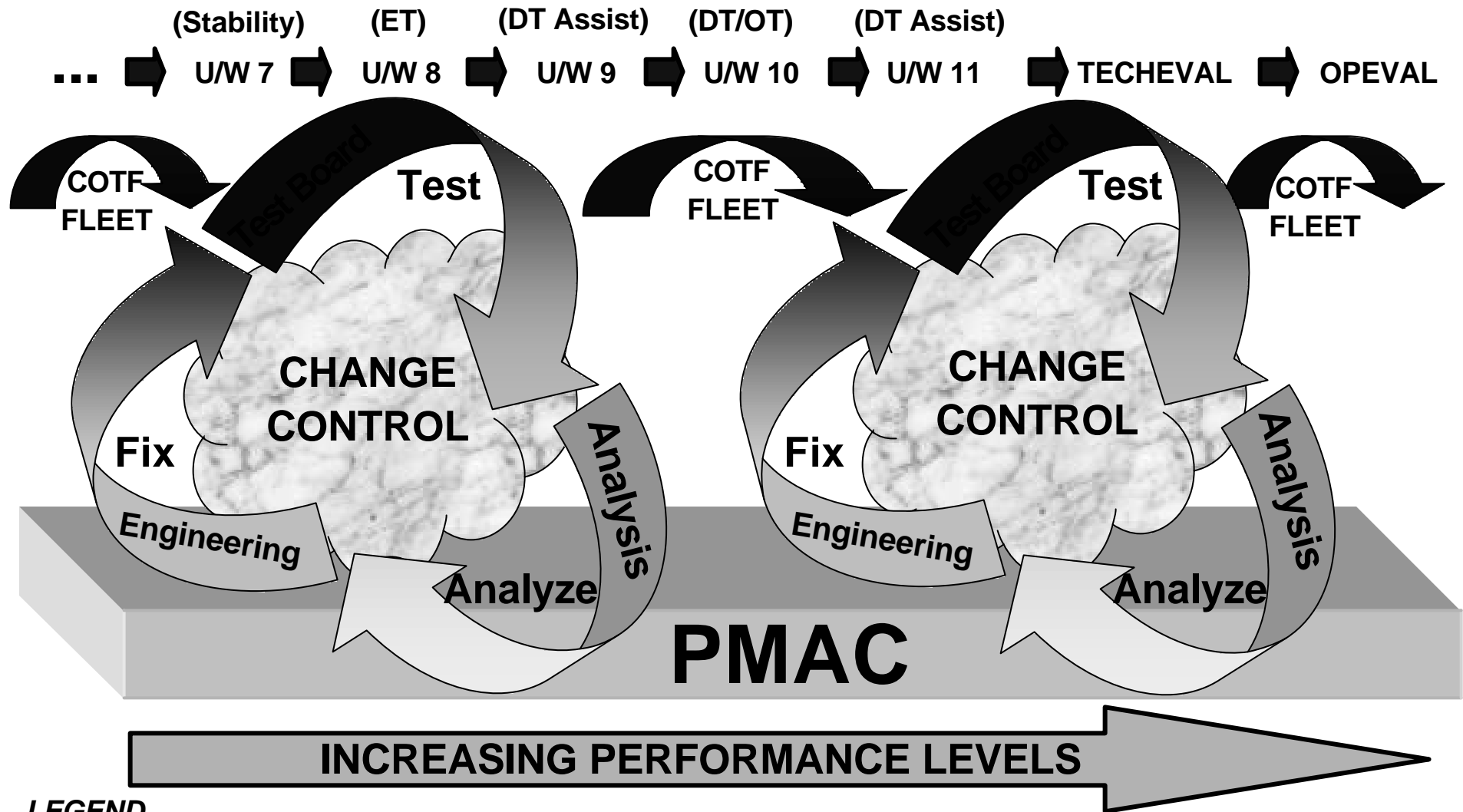
- CTI 7 – Distributed Air Defense System Support
- CTI 8 – Common Tactical Picture Support
- CTI 9 – Force Interoperability



**CTIs provide the principal means for the assessment of CEC ORD and ASN RD&A ADM requirements.**



# Interoperability Task Force: Test - Analyze/Assess - Fix

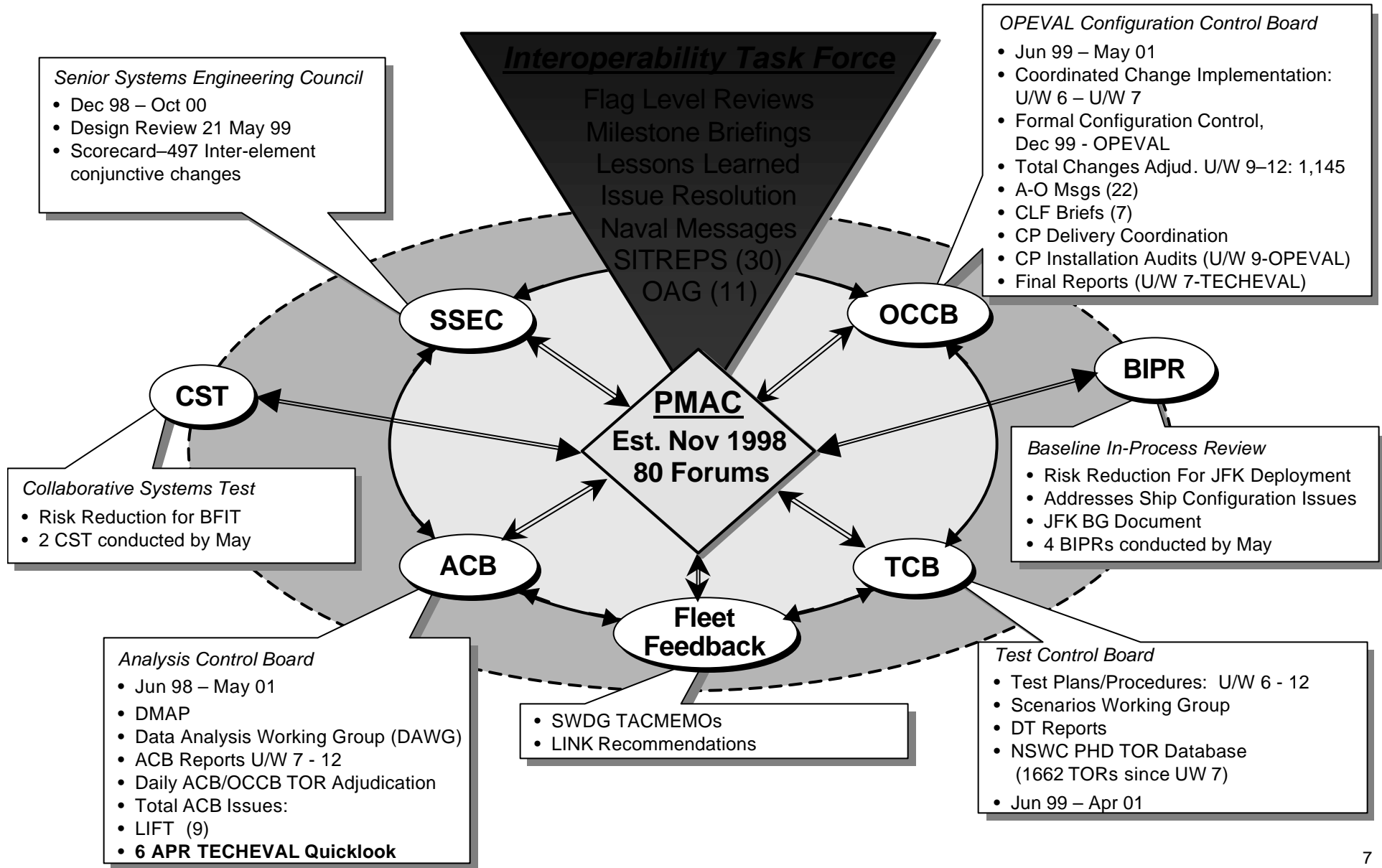


## LEGEND

PMAC - Program Managers Advisory Council  
COTF - Commander Operational Test & Evaluation Force

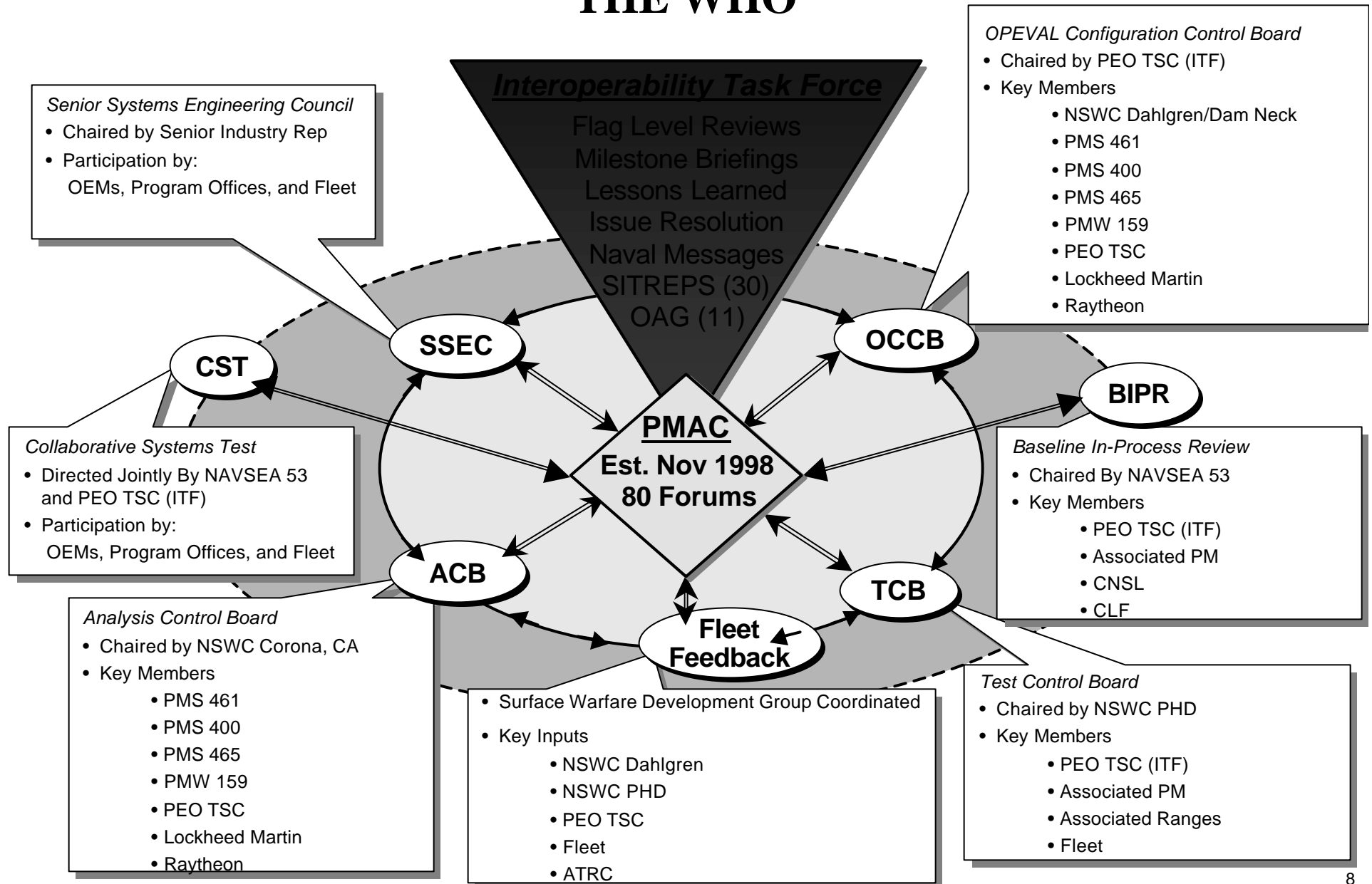
***Test - Analyze/Assess - Fix***

# ROAD TO CEC OPEVAL ACQUISITION CONSIDERATIONS “THE WHAT”





# ROAD TO CEC OPEVAL ACQUISITION CONSIDERATIONS “THE WHO”







# WHAT BROUGHT US HERE “OUR SCORECARD”



**RIGHT DIRECTION...A LONG WAY TO GO**



# In Summary . . . . .

- Solutions to “Interoperability” in the Acquisition Process must account for the continuous increase of the complexity of our systems
- Engineering of interoperable systems requires rigorous pursuit of analysis...the Acquisition Process must fully support an executable analysis framework
  - Absolutely necessary...probably not sufficient
- Acquisition Processes must evolve to account for the Interdependency of Programs
- Acquisition Processes must support fixing problem....not just identifying them
- Finally...the Acquisition Process has to account for the attraction and motivation of talented people. This is (and will remain) for the immediate future resource and labor intensive.
  - Consistent resource sponsorship is fundamental to progress

